

**BY ORDER OF THE COMMANDER
GRAND FORKS AIR FORCE BASE**

**GRAND FORKS AIR FORCE BASE
INSTRUCTION 91-203**

13 MAY 2013

Safety



***SIMULATORS AND SMOKE PRODUCTION
MUNITIONS FOR EXERCISES***

COMPLIANCE WITH THIS PUBLICATION IS MANDATORY

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RELEASABILITY: There are no releasability restrictions on this publication.

OPR: 319 ABW/SEW

Certified by: 319 ABW/SE
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Supersedes: GRANDFORKSAFBI91-203,
8 August 2008

Pages: 20

This instruction implements AFMAN 91-201, Explosives Safety Standards and AFRPD 91-2, Safety Programs, and applies to all personnel involved in the handling, operation, and disposition of smoke grenades and ground burst simulators on Grand Forks AFB. It also applies to members of visiting agencies involved in the operation of these devices at any exercise location. Ensure that all records created as a result of processes prescribed in this publication are maintained in accordance with (IAW) Air Force Manual (AFMAN) 33-363, *Management of Records*, and disposed of IAW the Air Force Records Information Management System (AFRIMS) located at <https://www.my.af.mil/gcss-af61a/afirms/afirms/>. Refer recommended changes and questions about this publication to the Office of Primary Responsibility (OPR) using the AF Form 847, *Recommendation for Change of Publication*; route AF Forms 847 from the field through the appropriate functional's chain of command.

SUMMARY OF CHANGES

This document has been substantially revised and must be completely reviewed. Major changes include: all references to 319 ARW and 319th Air Refueling Wing have been changed to 319 ABW and 319th Air Base Wing respectively.

1. Responsibility: It is the responsibility of each exercise evaluator to ensure compliance with this instruction.

2. Explosive Limits: The maximum amount of explosives carried in any vehicle will not exceed a 1-day supply for the exercise. Excess explosives will remain stored within the Munitions Storage Area (MSA) or in any area outside the MSA licensed IAW AFMAN 91-201.

3. Personnel limits: Personnel limits will not exceed those established by the crew chief of the explosives operation. Personnel exposure will be kept to the absolute minimum, and non-essential personnel will be vacated to at least 300 feet and upwind from munitions.

4. Operational Risk Assessment - Use of Training Munitions: All Base Exercise and Training Team Chiefs using explosives will prepare a risk assessment, (see Attachment 1 for sample), and a list detailing the National Stock Number, Hazard Class/Division (HC/D), and net explosive weights (NEW) of explosives authorized for use in the exercise. The list will include the times and exact locations where the explosive simulators will be used. The explosives list, along with the risk assessment will be included in the master exercise plan and approved by the Wing Commander, prior to any simulators being utilized on Grand Forks AFB. Exception granted for training provided by Explosive Ordnance Disposal (EOD).

5. Safety Requirements:

5.1. In addition to the following requirements, the safety requirements of AFMAN 91-201, Chapter 8 will be strictly adhered to while transporting, storing, or using munitions simulators.

5.1.1. Always wear eye protection when working with explosive simulators and other munitions.

5.1.2. A long sleeved shirt will be worn when using munitions simulators and other munitions.

5.1.3. Wear protective gloves when handling explosive simulators and other munitions.

5.1.4. Hearing protection will be worn when using ground burst simulators.

5.1.5. Smoking will not be allowed within 50 feet of explosives.

5.1.6. Vehicles carrying explosives will not be refueled. Refueling will take place prior to the loading of explosives.

5.1.7. Personnel will not take explosives-loaded vehicles into highly populated areas or areas of public gathering.

5.1.8. Personnel will chock vehicle wheels while loading/unloading explosives.

5.1.9. Explosives-loaded vehicles will never be left unattended.

5.1.10. Explosives will be properly secured to the vehicle, ensuring stability during transportation (see Attachment 4).

5.1.11. Explosives-loaded vehicles will be properly placarded IAW AFMAN 91-201, Chapter 8, paragraph 8.26.

- 5.1.11.1. Use Department of Transportation (DOT) placards for transporting explosives or chemicals. Signs are based on the hazard class/division of the explosives.
- 5.1.11.2. One appropriate placard will be displayed on each side, back, and front of vehicles transporting explosives.
- 5.1.12. All explosive-loaded vehicles will be equipped with a minimum of two 2A:10BC fire extinguishers.
- 5.1.13. Explosives will never be carried in the passenger compartment of a vehicle.
- 5.1.14. Whenever an explosive-loaded vehicle is parked on an incline, one of the non-steering wheels will be chocked.
- 5.1.15. A water fire extinguisher must be carried in areas where grass fires may be set by the use of munitions simulators. Munitions simulators may not be used in or near wild land grass areas without the approval of the Fire Department. Check with the Fire Prevention Office when wind speeds exceed 20 knots and to determine if there is a county burn ban in effect prior to using munitions simulators.

6. Training:

- 6.1. Only personnel properly trained by Explosive Ordnance Disposal (EOD) are authorized to prepare and activate simulators and smoke producing devices. EOD is the only agency authorized to administer this training.
- 6.2. Personnel requiring training will submit an AF Form 2426, *Training Request and Completion*, to EOD, which will be used as proof of training upon completion of the course. **Note: The 319th Air Base Wing has no EOD personnel. All EOD support comes from Minot AFB .**
- 6.3. Training is required prior to handling munitions and annually thereafter. Once personnel are trained 319 ABW Weapons Safety Manager will issue an AF Form 483, *Certificate of Competency*, listing the items they are trained to operate.
- 6.4. In addition to the training provided by EOD, all personnel whose duties require them to transport explosives require explosive safety transportation training, which is provided by their unit weapons safety representative. This training must be documented in the individual's AF Form 623 or tracked locally by computer.
- 6.5. Any outside organization arriving at Grand Forks AFB will show proof of munitions simulator training to the 319 ABW Safety Office prior to handling or transporting any explosives.

7. Use of Simulator Devices:

- 7.1. Only US Air Force stock listed devices are authorized for use.
- 7.2. Ground burst simulators present a blast hazard and smoke producing simulators present a possible toxic gas and fire hazard. Exercise caution around people, facilities and equipment. Free the area of combustible material within a 10-foot radius. Ensure the immediate area downwind is free of personnel. Maintain the following minimum distances:

7.2.1. Personnel or vehicle: Maintain a minimum of 125 feet separation. Personnel who initiate these munitions may be closer than 125 feet, but they should be as close to 125 feet as possible and have their back to the munitions. *Exception:* no specific distance is required for smoke grenades.

7.2.2. Facilities without facing window: Maintain a minimum separation of 100 feet.

7.2.3. Facilities with facing window: Maintain a minimum separation of 200 feet.

7.2.4. Hardened facilities, including hardened aircraft shelters: Maintain a minimum separation of 50 feet.

7.2.5. Petroleum, oil and lubricants storage: Maintain a minimum separation of 200 feet.

7.2.6. Aircraft in the open: Maintain a minimum separation of 100 feet or 200 feet if aircraft are explosives loaded.

7.2.7. Explosives operating locations, holding areas, open storage areas or butler-type storage facilities: Maintain a minimum separation of 200 feet.

7.2.8. Above ground magazines of block, brick, or concrete construction and earth covered magazines: Maintain a minimum separation of 50 feet.

7.3. Explosives will only be transported in government owned vehicles. Under no circumstances will explosives be carried in privately owned or rental vehicles of any type.

8. Notifications:

8.1. Notification of the use of simulators will be made to the following agencies:

8.1.1. Security Forces: DSN 362-5351 / Commercial 747-5351

8.1.2. Bioenvironmental: DSN 362-5596 / Commercial 747-5596 (Only required if using smoke grenades)

8.1.3. Fire Department: DSN 362-6304 / Commercial 747-6304

8.1.4. Air Traffic Control Tower (Only required if functioning devices on the airfield.) (Personnel using explosive devices on the airfield will maintain two-way radio contact with the control tower.): DSN 362-3808 / Commercial 747-3808

8.1.5. Command Post: DSN 362-6711 / Commercial 747-6711

8.1.6. EOD (Ensure EOD support is available.): DSN 453-1178

8.1.7. Weapons Safety: DSN 362-3370 / Commercial 747-3370

9. Emergency Procedures:

9.1. In the event of a fire, take the following actions:

9.1.1. Immediately withdraw personnel to a safe distance.

Hazard Class/Division	Minimum Distance
1.4	300 ft
1.3	600 ft
1.2(All)	2500 ft (125 ft for Simulators only)

9.1.2. Sound the alarm and notify the Fire Department and EOD by the quickest means possible.

9.1.3. Provide the Fire Department with the following information:

9.1.3.1. Location.

9.1.3.2. Nature/type of munitions involved.

9.1.3.3. Extent (large or small fire).

9.1.3.4. Evacuate non-essential personnel from the area.

9.2. Firefighting procedures:

9.2.1. If the fire has not involved the explosive items, remove the explosives from the area and if possible, fight the fire.

9.2.2. If the fire involves explosive items, do not attempt to fight the fire unless a lifesaving effort is required.

9.3. In the event of an emergency on the airfield, the control tower will activate the crash phone.

9.4. Ground accidents:

9.4.1. Provide First Aid.

9.4.2. Call ambulance if needed to transport victim(s).

9.4.3. Call Base Defense Operations Center (BDOC) at ext 747-5351.

9.4.4. Call the fire department.

9.4.5. Call the wing safety office.

9.4.6. Call EOD (if required).

10. Disposal and Handling:

10.1. Only trained EOD personnel will handle any dud smoke grenades or simulators. A dud is described as a munitions item that fails to perform all of its functions. If there is no whistle or report, the simulator must be considered to be a dud. In the event of a dud simulator, notify EOD immediately. Note the time of malfunction and evacuate personnel 200 feet from the simulator. DO NOT allow anyone to approach the simulator. Brief EOD personnel of the time of malfunction. After the appropriate wait period, EOD personnel will safely remove the dud.

10.2. Unused explosive devices will be turned in to the munitions supply point custodian.

10.3. Residue from the expended grenades and simulators will be collected, placed in metal containers and returned to the munitions supply point custodian. The custodian will turn the residue over to the MSA for proper certification and disposal.

11. Safety Inspections:

11.1. 319 ABW/SEW will conduct annual and spot explosive safety inspections during local exercises. Follow-up inspections will be conducted when the results of the initial inspection show a discrepancy requiring corrective action. A suspense file will be established on all open inspection discrepancies.

11.2. Report will be sent to unit within 14 days after inspection. Open action items will be followed-up at least every 30 days.

TIMOTHY E. BUSH, Colonel, USAF
Commander, 319th Air Base Wing

Attachment 1**GLOSSARY OF REFERENCES AND SUPPORTING INFORMATION*****References***

AFMAN 91-201, *Explosives Safety Standards*, 12 Jan 2011

AFPAM 90-902, *Operational Risk Management (ORM) Guidelines and Tools*, 14 Dec 2000

T.O. 11A-1-42, *General Instructions for Disposal of Conventional Munitions*

T.O. 11A10-27-7, *Storage and Maintenance Procedures for Simulators, Battlefield Effects*

T.O. 11A8-5-7, *Grenades, Hand and Rifle*

T.O. 11A-1-60, *Inspection of Reusable Munitions Containers and Scrap Material Generated from Items Exposed to or Containing Explosives*

Prescribed and Adopted Forms***Prescribed Forms:***

None

Adopted Forms:

AF Form 847, *Recommendation for Change of Publication*

AF Form 2426, *Training Request and Completion*

AF Form 483, *Certificate of Competency*

Abbreviations and Acronyms

AF—Air Force

AFB—Air Force Base

AFMAN—Air Force Manual

DOT—Department of Transportation

EOD—Explosive Ordnance Disposal

HC/D—Hazard Class/Division

MSA—Munitions Storage Area

Terms

Accountable Forms—Forms that the Air Force stringently controls and which cannot be released to unauthorized personnel, since their misuse could jeopardize DOD security or result in fraudulent financial gain or claims against the government.

Administrative Change—Change that does not affect the subject matter content, authority, purpose, application, and/or implementation of the publication (e.g., changing the POC name, office symbol(s), fixing misspellings, etc.).

Approval Authority—Senior leader responsible for contributing to and implementing policies and guidance/procedures pertaining to his/her functional area(s) (e.g., heads of functional two-letter offices).

Authentication—Required element to verify approval of the publication; the approval official applies his/her signature block to authenticate the publication. The signature block includes the official's name, rank, and title (not signature).

Attachment 2**SAMPLE LEVEL ONE (TIME-CRITICAL) RISK ASSESSMENT**

MEMORANDUM FOR ALL EXERCISING UNITS

FROM: 319 ABW/SEW

SUBJECT: Operational Risk Assessment - Use of Training Munitions

1. The employment of training munitions to increase realism will be an integral part of Exercise _____. This risk assessment, encompassing the proposed use of training munitions is submitted in accordance with AFPAM 90-902.

a. Hazard Identification:

(1) All hazard class 1.2 munitions have an associated blast/projection hazard. No mass detonation hazard exists.

(2) All hazard class 1.3 munitions have an associated fire hazard and minor blast/projection hazard. No mass explosive hazard exists.

(3) All hazard class 1.4 munitions have an associated minor blast hazard. No appreciable projection hazard exists. Additionally, ground burst simulators pose a noise hazard if utilized in enclosed spaces.

b. Risk Assessment:

(1) Hazard Exposure. The primary risk of exposure to associated hazards will be to the exercise evaluation team members transporting/handling/activating the munitions. Secondary hazards could be faced by unprotected personnel downwind of smoke-generating devices and/or in close proximity to noise-producing/projection-producing devices.

(2) Hazard Severity. Our assessment of hazard severity is based on worst-case scenarios.

(a) The hazard severity for smoke producing, noise producing, and blast/projection-producing munitions is rated as CRITICAL. These items are fully capable of causing severe injury to personnel through improper use or unintentional activation.

(b) The hazard severity for fire-producing munitions is rated as CATASTROPHIC due to the abundance of combustible materials in the training area and the speed at which fire is capable of spreading. An out-of-control fire is capable of causing personnel death, loss of equipment, or widespread environmental damage.

(c) The hazard severity for the possible introduction of live small arms ammunition into the exercise area is rated as CATASTROPHIC. This hazard could cause personnel death.

(3) Hazard Probability.

(a) The hazard probability for smoke producing, noise producing, and blast/projection-producing munitions is rated as SELDOM. The probability of an occurrence of the severity indicated in paragraph 1b(2)(a) is “unlikely, but could occur in the life of the system.”

(b) The hazard probability for fire-producing munitions is rated as OCCASIONAL. The probability of an occurrence of the severity indicated in paragraph 1b(2)(b) is “will occur in the life of the system.”

(c) The hazard probability for the introduction of live small arms ammunition into the exercise area is rated as SELDOM. The probability of an occurrence of the severity indicated in paragraph 1b(2)(c) is “unlikely, but could occur in the life of the system.”

(4) Complete Risk Assessment. The following overall risk assessment ratings are based on the Risk Assessment Matrix contained in Figure 7 of AFPAM 90-902. ***This risk assessment is based on raw data and reflects the risks prior to application of control measures.***

(a) The overall risk of severe injury to personnel resulting from the use of smoke-producing, noise-producing, and blast/projection-producing munitions is MEDIUM.

(b) The overall risk of death to personnel, loss of equipment, or widespread environmental damage resulting from the use of fire-producing munitions is HIGH.

(c) The overall risk of death to personnel resulting from the introduction of live small arms ammunition into the exercise area is HIGH.

c. Analyze Control Measures:

(1) Identify Control Measures:

(a) Munitions will be transported/handled/activated only by members who have been trained in the use of the specific munitions to be expended, in accordance with AFMAN 91-201 and this instruction.

(b) Qualified Security Force members will inspect all weapons prior to entry into exercise areas to ensure that no member has live small arms ammunition introduced. Blank adapters will be affixed to all weapons, and weapons will not be fired at personnel, vehicles, or buildings with a facing window when within 20 feet.

(c) Munitions will only be expended in pre-designated areas, (as approved by 319 ABW/SEW), that have been cleared of combustible material to a minimum circumference of 10 feet.

(d) All personnel handling explosive or heat producing training munitions will wear leather work gloves. All personnel expending noise-producing training munitions will wear hearing protection.

(e) Smoking is not permitted within 50 feet of any munitions storage or handling location.

(f) Proper firefighting equipment must be present when munitions are expended and within 50 feet of munitions storage areas. Contact the Fire Prevention Office (7-4174) if you need assistance.

(g) Smoke-producing munitions will be permitted to cool for 10-15 minutes following their expenditure.

(h) In the event of munitions malfunction, training exercise team members will secure the site and contact EOD personnel to perform render-safe operations. The Wing Commander will be immediately notified.

(2) Determine Control Effects:

(a) The control measures indicated for smoke-producing, noise producing, and blast/projection-producing munitions will reduce the hazard severity/probability from CRITICAL/SELDOM to NEGLIGIBLE/UNLIKELY.

(b) The control measures indicated for fire-producing munitions would reduce the hazard severity/probability from CATASTROPHIC/OCCASIONAL to NEGLIGIBLE/SELDOM (the “seldom” probability allows for the increased fire threat if extremely dry environmental conditions are present).

(c) The control measures indicated for introduction of live small arms ammunition into the exercise area will reduce the hazard severity/probability from CATASTROPHIC/SELDOM to NEGLIGIBLE/UNLIKELY.

(d) Prioritize Control Measures (certain control measures are common to more than one hazard):

1. Since fire is perceived as the greatest threat, the control measures associated with controller training and fire/burn hazard control are given top priority (items 1c(1)(a), (c), (d), (f), (g), and (h)). Through history, these munitions have consistently demonstrated the highest probability of hazard occurrence and, once a fire is started, have the greatest severity potential.

2. Smoke-producing, noise-producing, and blast/projection-producing munitions are evaluated as the secondary threat, and the control measures associated with controller training, blast hazards, and inhalation hazards are applicable (items 1c(1)(a), (c), (d), and (e)). This category received a higher priority than small arms ammunition due to a much higher probability of occurrence.

3. Hazards associated with the introduction of live small arms ammunition are evaluated as a tertiary threat, and items associated with controller training and ammunition control are applicable (items 1c(1)(a) and (b)). This category, although having a high severity potential, was rated third due to its low probability of occurrence.

d. Make Control Decisions: All control measures will be implemented and strictly enforced by

training exercise team members. The measures stated will significantly reduce associated hazards and should not cause a negative impact on deployment operations.

(1) Select Risk Controls: Since all risk control measures will be implemented, selection is not required.

(2) Make Risk Decision: Based on the implementation of the stated control measures, it is our opinion that the benefits of the operation far exceed the reduced level of risk involved. The only exception would be in the event of extremely dry environmental conditions at the exercise site. Should these conditions occur, the Wing Commander and Exercise Team Chief will reassess the risk of utilizing fire-producing munitions.

e. Implement Risk Controls:

(1) Risk controls will be included in the lesson plan for munitions training and in the exercise rules of engagement.

(2) The accountable person will be the commander of the exercising unit.

f. Supervise and Review: Control measures will be monitored and reviewed on a daily basis. Any problems noted will be immediately brought to the attention of the accountable officer and Wing Commander for resolution. Where sufficient changes cannot be made to resolve the problem, the operation will be terminated.

2. If you have any questions, or require any clarification, regarding this assessment the point of contact is 319 ABW/SEW, ext 747-3370.

Attachment 3

SAMPLE RISK MANAGEMENT CONTROL PRIORITIES LIST

PRIORITY	CONTROL MEASURE
1	Exercise controller munitions training.
2	Inspect weapons for live ammo prior to entering exercise area.
3	Use sandbag “blast pits” after verifying free of combustible/splinter materials.
4	Use of leather work gloves and hearing protection by training exercise members.
5	Smoking not permitted within 50 feet of munitions.
6	Fire extinguishers of proper class and rating will be available at munitions use/storage areas.
7	Smoke grenades allowed to cool for 10-15 minutes after use.
8	Smoke not used upwind of unprotected personnel.
NOTE: ALTHOUGH THE INTRODUCTION OF LIVE AMMO INTO THE EXERCISE AREA IS UNLIKELY, WEAPONS MUST BE CHECKED PRIOR TO EXERCISE INITIATION IN ORDER FOR THE CONTROL TO BE EFFECTIVE.	

Attachment 4**PYROTECHNIC USER GUIDE**

The purpose of this guide is to aid trained personnel in the safe handling, employment, and operation of various pyrotechnic devices. This guide does not replace Technical Orders or Air Force Regulations. Always refer to the applicable publication or contact EOD if you have any questions about pyrotechnic devices.

SAFETY & DISTANCES**IAW AFMAN 91-201**

- 10** ft Free of combustibles
- 25** ft NO SMOKING
- 50** ft Explosive laden vehicles, hardened facilities, A/C shelters, and magazines
- 100** ft Facility without facing window, POL storage, and A/C in open
- 125** ft personnel and vehicles
- 200** ft A/C with explosives, explosive holding or operating areas, facilities with facing window
- GBSs present a blast/frag hazard
- DO NOT** put wet GBSs in a closed container
- When using smoke grenades, ensure personnel will not be in heavy smoke concentrations
- Treat all unfired pyrotechnics with the same respect as a loaded firearm
- All signals present an initiation hazard
- All signals present a vertical/downrange hazard

MISFIRE PROCEDURES

- Note initiating time, dampness may delay firing
- Call EOD, Ops, Fire Dept, or Command Post and advise of incident (if applicable, IG representative)

-DO NOT TOUCH

- Keep personnel away
- Stay in area to direct EOD

EMERGENCY ACTIONS

In the event of an accident:

- Notify Ambulance, Fire Dept, Command Post and tell them what happened
- Give First Aid if needed
- Control any fires, if possible

NOTES

- Expect the unexpected
- Beware of items rolling or landing at unintended locations
- If in doubt or unsure of any aspect of use or safety procedures, contact EOD unit

TRANSPORTATION**Government Vehicles**

- Secure in a container in truck bed
- Secure container with tie downs
- Vehicle must be placarded
- Must have 2 ea, 2A:10BC fire extinguishers
- DO NOT** store pyrotechnics in cab

NEVER TRANSPORT IN POV**Personnel**

- DO NOT** carry in pockets
- DO NOT** carry more than two without placing in a container

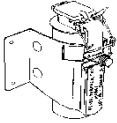
**GROUND BURST SIMULATORS****M-115/M-116**

Inspect simulator. Don't use if any items listed below exist:

- Evidence of moisture
- Safety clip missing
- Case dented or bulging

****WARNING*******When Initiating Wear Leather Gloves******Operating***

- Grasp simulator in throwing hand
- Remove safety clip and extend cap to free cord
- Jerk sharply on cord and **IMMEDIATELY** throw GBS in a safe direction
- After throwing, note time and walk away



FLARE, SURFACE TRIP

M-49A1

Inspect flare (Don't use if any exist)

- Safety clip missing or installed improperly
- Punctured or cracked flare body
- Trip wire or nails missing

Operation

- Determine method of operation and set up
- Secure trip wire to stationary device
- Attach and secure other tripwire end to trip wire hole in trigger
- Insert flare into bracket
- Insure flare spoon is held back by trigger tongue
- While holding spoon remove safety clip
- Release spoon carefully and walk away not tripping over trip wire
- Make note of where flare is positioned on map for possible disassembly



SIGNAL, GROUND ILLUMINATION

M-127A1

Inspect Flare (Don't use if any exist)

- Case damage
- Firing cap missing
- Primer impinged
- Loose cork sealing

****Obtain 2,000 ft Vertical Clearance**

Prior To Initiation**

Operation

- Reverse firing cap to primer end up to red line
- Point flare in a downrange direction
- Strike firing cap on ground with head turned away
- If flare doesn't fire, point in safe direction, slide firing cap 1/2 inch from red line and attempt initiation again
- If flare still doesn't fire, attempt prior procedure once more
- Remove firing cap and isolate flare from personnel



SMOKE GRENADE

M-8/M-18

Inspect grenade. Don't use if any below exist:

- Safety pin missing or improperly spread
- Loose fuse or not sealed properly
- Damaged, dented body, or corroded body

Operating

- Hold in throwing hand
- Hold spoon securely and remove safety pin
- Throw, walk away, watch until burning stops
- Let it cool and ensure contents are consumed
- Put residue at collection location

MARINE SMOKE/ILLUM

MARKER MK 13

Inspect signal (Don't use if any exist)

- Note excessive rust
- Excessive dents or case deformation
- Pull rings on both ends

Operation

- Determine end to be ignited
- Grasp opposite end of signal
- Pull the pull ring and set on the ground
- REMEMBER** the opposite end needs initiating or it's still a live round

Attachment 5**EXPLOSIVES PRE-TASK SAFETY BRIEFING**

1. Responsibility. It is the responsibility of the person in charge of the explosives operation to ensure compliance with this instruction.

2. Actions to be accomplished prior to start of explosive operation:

2.1. Ensure all workers are qualified on task to be performed. _____

2.2. Remove nonessential personnel ensuring personnel limits are not exceeded. _____

2.3. Verify serviceability of fire extinguishers. _____

2.4. Remove rings, watches, jewelry, and turn off cell phones. _____

2.6. Notify the Fire Department at extension 6304 to inform of the appropriate fire and chemical symbol hazards that are being transported, the destination, and approximate time window of the operation. _____

2.7. If required notify the Security Forces at ext 747- 5351 to inform of the appropriate Controlled Item Inventory code associated with munitions being handled or stored at the location. _____

2.8. Brief that any worker may halt the operation if an unsafe condition is discovered. _____

2.10. Ensure all workers are aware of the pre-designated evacuation point. _____

3. Safety requirements. Ensure all required personal protective safety equipment and gear is available and utilized.

4. Step-by-step procedures for doing the task. Ensure all required technical data, Air Force or local instructions are available and used for task. Read all warnings, cautions and notes.

5. Personnel Limits:

5.1. Personnel limits will be as posted in applicable location or as listed in paragraph 4.

5.2. Supervisors_____ Workers_____ Casuals_____

NOTE: Explosives operations will cease when visitors are present

6. Explosive Limits:

6.1. Explosive limits will be as posted in applicable location or as listed in paragraph 3.

6.2. Net explosive weight: HC/D 1.1_____ 1.2.X_____ HC/D 1.3_____ HC/D 1.4_____

6.3. Withdrawal distance (circle one) 4,000 feet 2,500 feet 600 feet 300 feet

6.4. Other hazards involved

7. Brief the following:

7.1. Operation to be performed

7.2. Location of operation

7.3. Crew Chief

7.4. Crew Members

7.5. Explosives involved

7.6. Hazards of explosives involved

8. Emergency Actions:

8.1. In the event of a lifesaving attempt _____ will operate the fire extinguisher.

8.2. In the event of an incident/accident _____ will make the emergency notifications.

8.3. Evacuation point will be _____

8.4. _____ will take role to ensure all personnel are present.

8.5. _____ will record the time the munitions were engulfed in flames.

8.6. _____ will greet emergency response personnel to brief them of the situation.

8.7. _____ will notify the command post of the emergency at ext 747- 6711 or by radio.

8.8. Any unusual situation that may arise during the course of the operation should be brought to the attention of the crew chief immediately.

9. Intent: The establishment of this instruction is not intended to cover all the aspects of your job; it is to highlight the critical areas of the operation that need to be addressed prior to the beginning of the task. It is the responsibility of the crew chief to ensure all personnel are knowledgeable of the hazards related to their duties and are prepared and aware of the procedures to be taken in the case of an emergency.